

Data analysis

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 An abbreviated version of this protocol was published in eLIFE in Jun 2019

A comprehensive review of randomized clinical trials in three medical journals reveals 396 medical reversals


DOI: 10.7554/eLife.45183

Detailed protocol

Data analysis protocol for "Meta-Research: A comprehensive review of randomized clinical trials in three medical journals reveals 396 medical reversals"
 Using Microsoft Excel and R (package tidyverse), summary statistics were calculated for reversal articles as frequencies and percentages for the following:

- Overall and for each journal
- by economic status (as defined by the World Bank, and stratified by high-income vs low- and middle-income)
- by intervention type (medication, procedure, vitamins/supplements/food, device, system intervention, optimization of a procedure, behavioral therapy, screening test, treatment algorithm, diagnostic instrument, radiation, and over-the-counter medication)
- by medical discipline (cardiovascular disease, public health/preventive medicine, critical care medicine, obstetrics/gynecology, neurology/neurosurgery, oncology, orthopedic, pulmonary disease, pediatrics, gastroenterology/hepatology, endocrinology, diabetes, metabolism, psychiatry, nephrology, infectious disease, surgery, urology, allergy/immunology, anesthesiology, rheumatology, ophthalmology)
- funding category (industry sources, non-industry sources, a combination of industry and non-industry, a combination of non-industry plus insurance or development bank, and funding sources not available)

Related files

 Data analysis protocol_elife.docx



How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Haslam, A. (2021). Data analysis. Bio-protocol Preprint. bio-protocol.org/prep836.
2. Herrera-Perez, D., Haslam, A., Crain, T., Gill, J., Livingston, C., Kaestner, V., Hayes, M., Morgan, D., Cifu, A. S. and Prasad, V. (2019). A comprehensive review of randomized clinical trials in three medical journals reveals 396 medical reversals. eLIFE. DOI: [10.7554/eLife.45183](https://doi.org/10.7554/eLife.45183)

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